GLUCO DIARY

(Blood Glucose Management Program User Manual)

CONTENTS

1. Introduction program ---------- 2
   1.1 Explanation for user manual ---------- 2
   1.2 Customer service ---------- 2
2. Composition of products ---------- 3
3. Required environment of system ---------- 3
4. Installation ---------- 4
5. Registration ---------- 10
6. Use method ---------- 12
7. Composition of display ---------- 22
8. Operation for display ---------- 23
   8.1 Download ---------- 23
   8.2 Review Data – Total ---------- 24
   8.3 Review Data – Summary ---------- 27
   8.4 Review Data – Graph by Date ---------- 29
   8.5 Review Data – Graph by Time ---------- 31
   8.6 Review Data – Graph by Before/after meal ---------- 32
   8.7 Manual input ---------- 33
   8.8 Set-up ---------- 34
   8.9 Print ---------- 36
   8.10 Program information ---------- 36

1. Introduction program

1.1 User manual

This user manual consists of the method of installation and operation for use of Gluco Diary.

You can download Gluco Diary (Blood Glucose Management Program) at infopia website (http://www.infopia21.com/en/index.php)

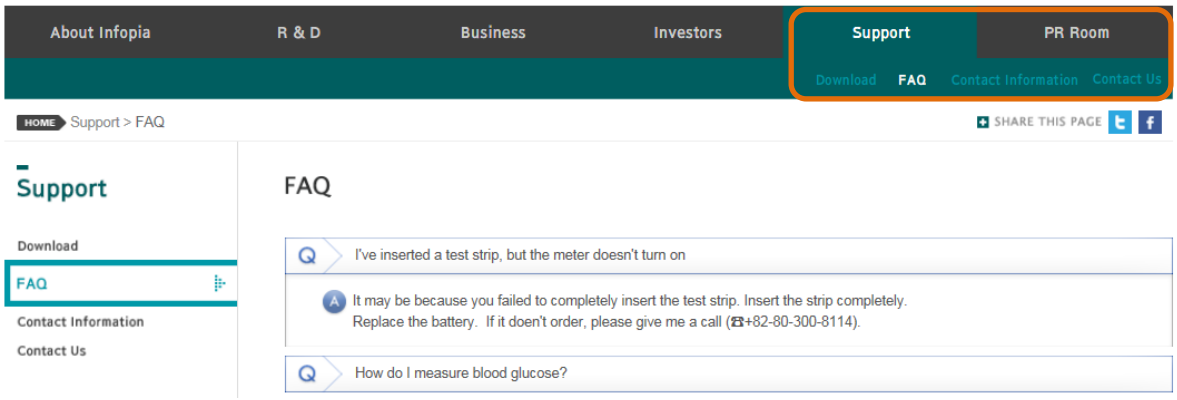
PC communication and USB cable will be purchased from off-line shop separately.

Gluco Diary (Blood Glucose Management Program) offers you various reports and helps you to manage glucose level effectively.

1.2 Customer service

If you have any problems, please contact us directly.

(http://www.infopia21.com/enNew/ or +82+31+4600300)



2. Composition of product

- PC communication cable (serial cable or USB cable)
- Gluco Diary Setup program (You can download program at infopia website)

  http://www.infopia21.com/enNew/
- User instruction of Gluco Diary program.

3. Required environment for system

- OS : Windows XP, Windows Vista, Windows 7
- CPU : over 300 MHz Processor

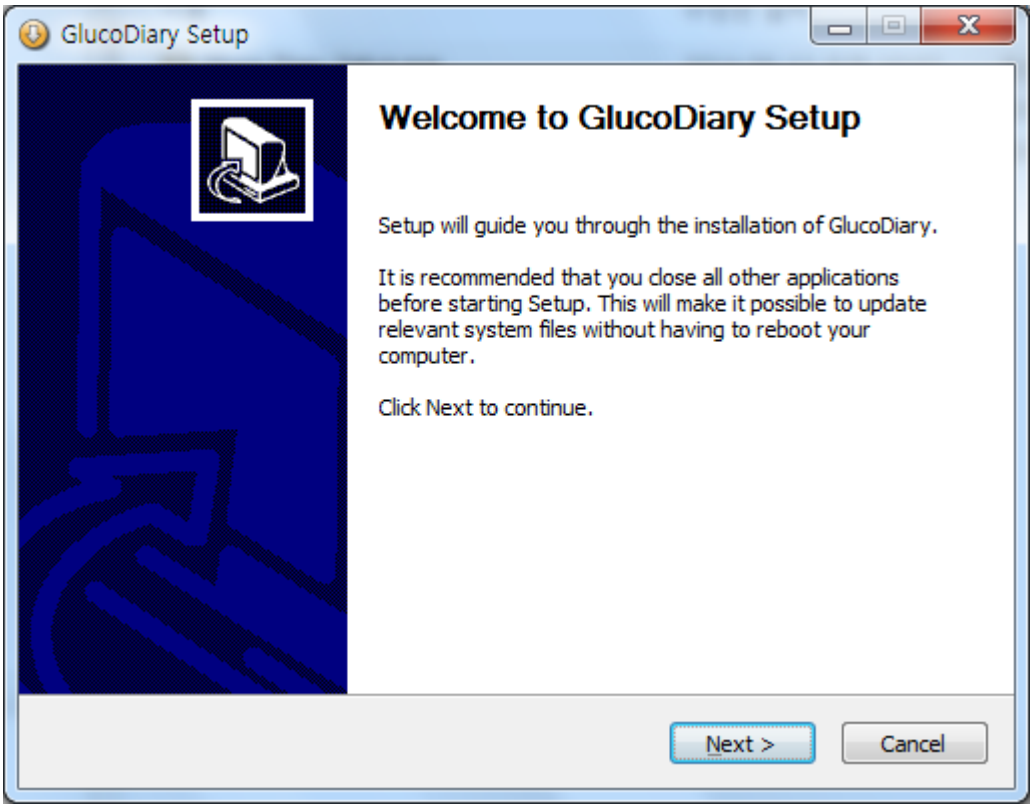
  (*Intel Pentium/Celeron, AMD K6/Athlon/Duron or Compatible Processor)
- RAM : over 64 Megabyte
- Resolution : over 1024X768
- Hard disk : over 70 Megabyte roomy space.
- Port : COM1~COM100 (automatic recognition)
  - Bit/Second (Baud rate) : 4800bps
  - Data Bit : 8
  - Parity : NONE
  - Stop Bit : 1

4. Installation

1) Please insert Installation disk(Install file) or CD to PC driver.

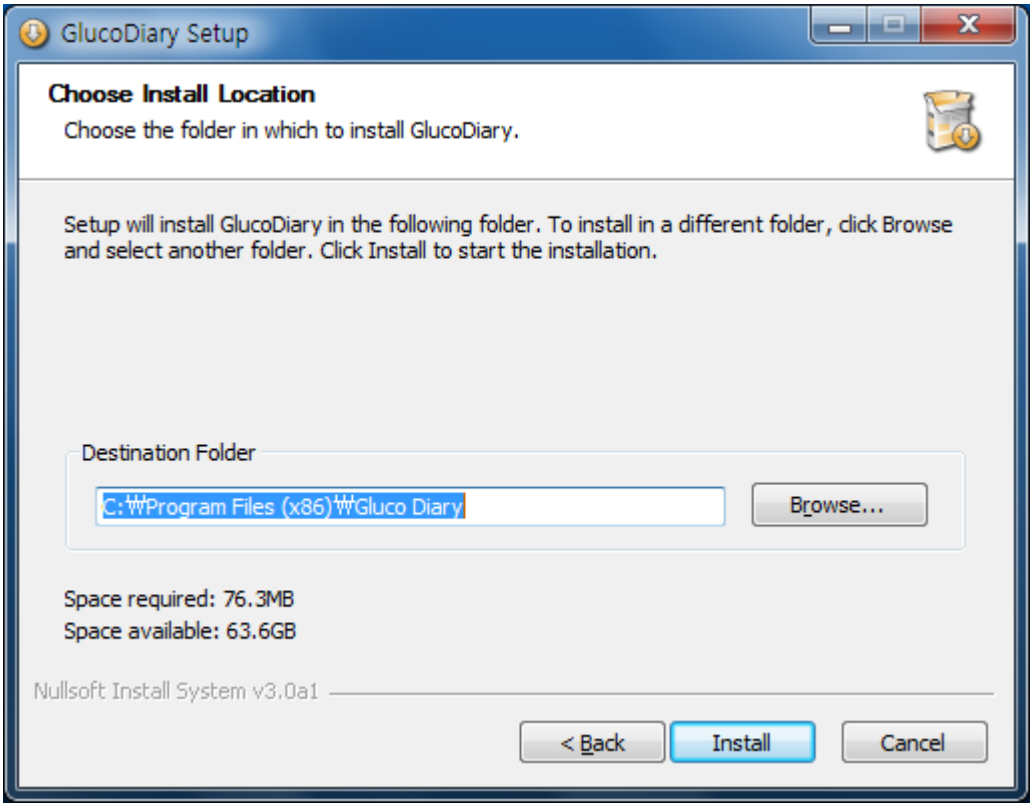
2) Please carry out “Glucodiary_setup.exe” file in the disk (CD or Install file).

3) Click [NEXT] button.

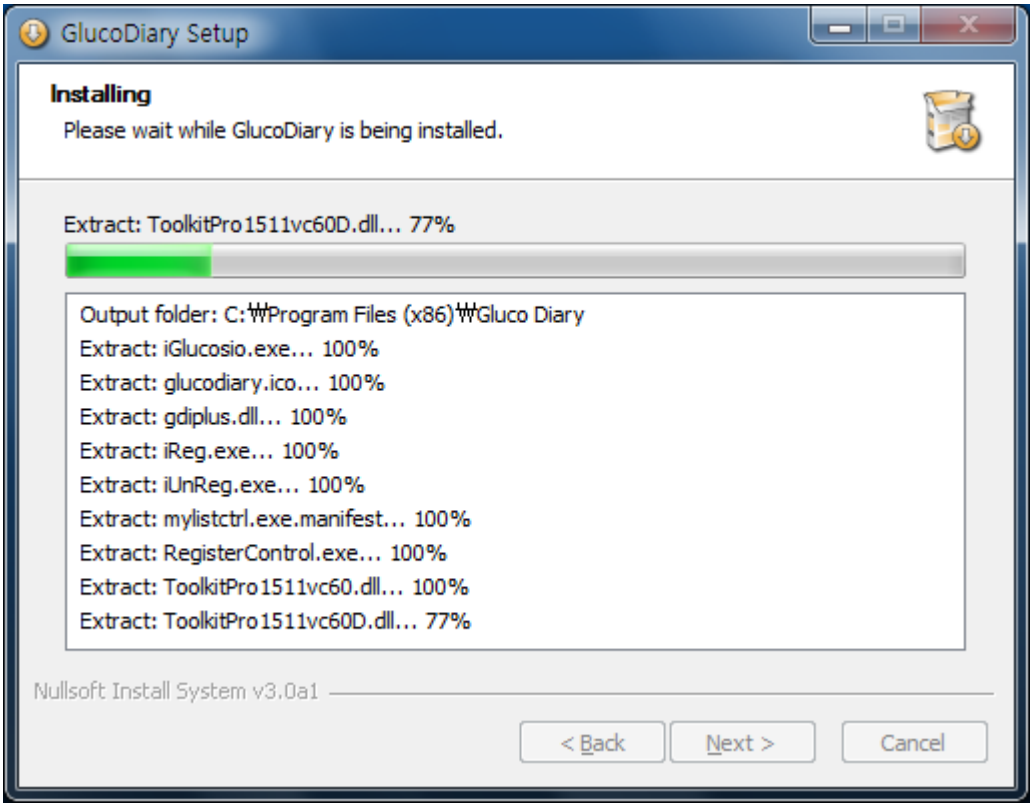

GlucoDiary Setup
Welcome to GlucoDiary Setup
Setup will guide you through the installation of GlucoDiary.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
Next >
Cancel

4) Please click the [Start install] button after assigning installation folder.

We suggest you use applied folder basically.


GlucoDiary Setup
Choose Install Location
Choose the folder in which to install GlucoDiary.
Setup will install GlucoDiary in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.
Destination Folder
C:₩Program Files (x86)₩Gluco Diary
Browse...
Space required: 76.3MB
Space available: 63.6GB
Nullsoft Install System v3.0a1
< Back
Install
Cancel

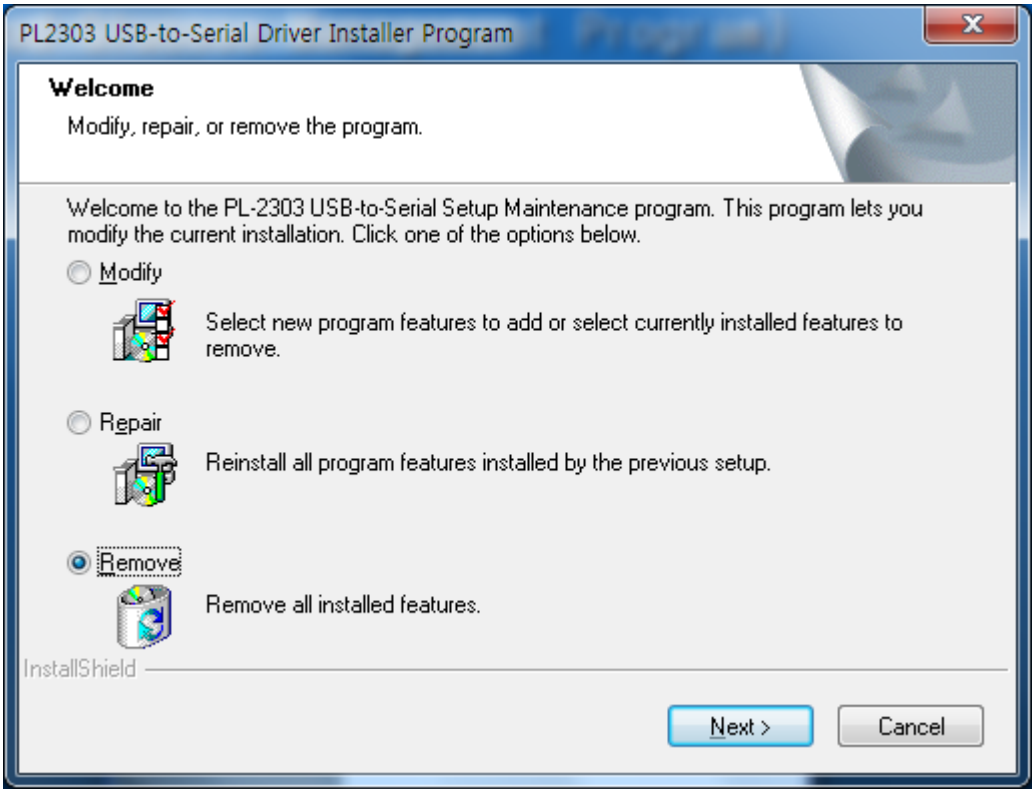
5) Program will be Installed automatically.



6) In case of using USB cable, please click [NEXT] button in order to install driver program after "PL-2303 Driver Installer Program" is popped up on the monitor.

If you use serial cable, please click the [Cancel] button due to you don't need this process.

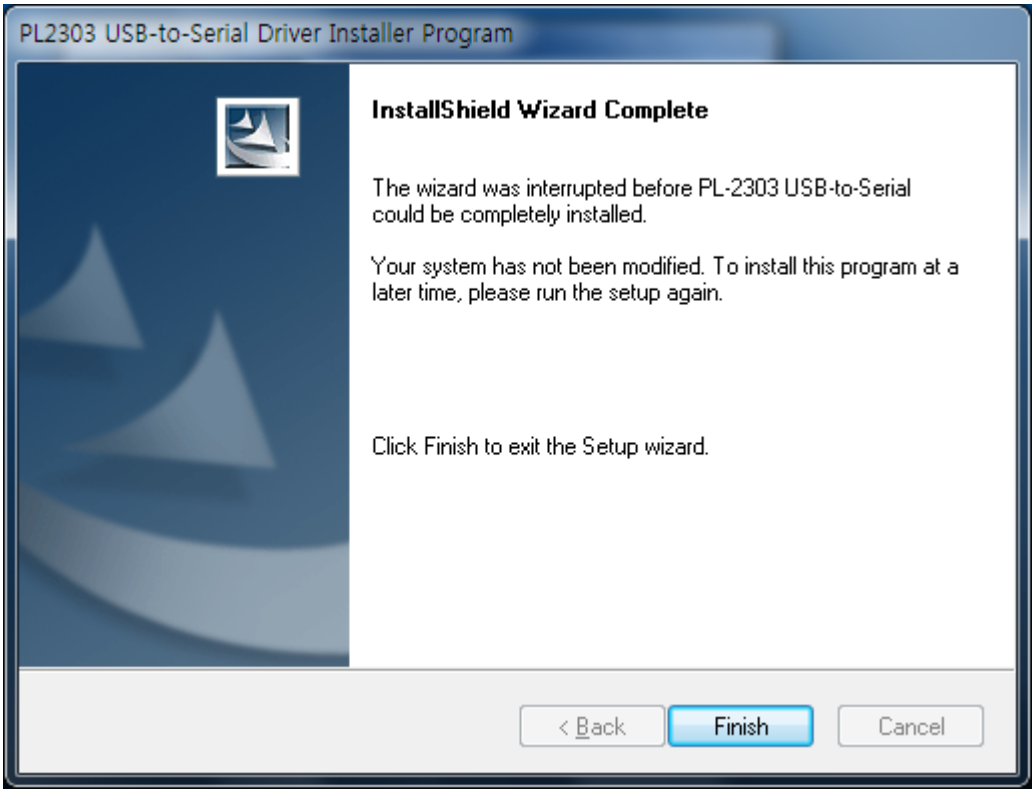
If "PL-2303 Driver Installer Program" window is not appeared, please click the [Alt] key and [Tab] key at the same time and find the program window.


PL2303 USB-to-Serial Driver Installer Program
Welcome
Modify, repair, or remove the program.
Welcome to the PL-2303 USB-to-Serial Setup Maintenance program. This program lets you modify the current installation. Click one of the options below.
Modify
Select new program features to add or select currently installed features to remove.
Repair
Reinstall all program features installed by the previous setup.
Remove
Remove all installed features.
InstallShield
Next >
Cancel

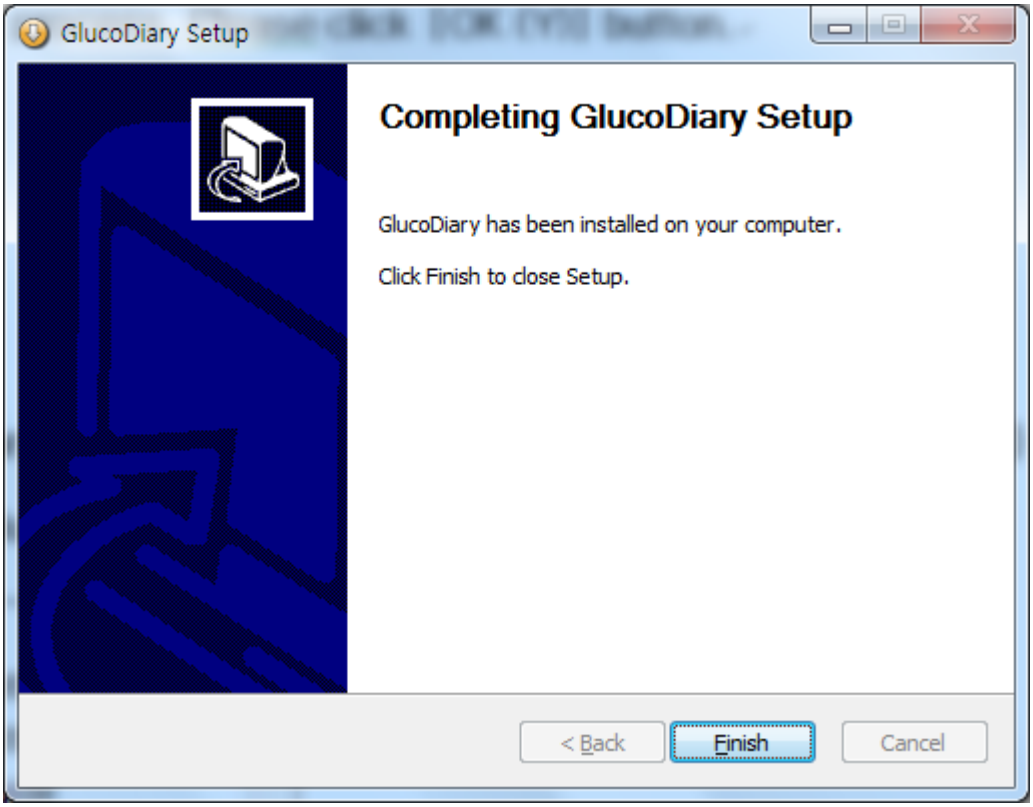
Caution) If the program was already installed, please click the [Cancel] button.

7) After installed USB-to-Serial, “InstallShield Wizard Complete” will be shown.

And then please click [Finish] button.

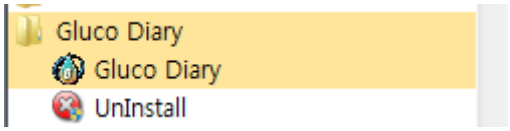

PL2303 USB-to-Serial Driver Installer Program
InstallShield Wizard Complete
The wizard was interrupted before PL-2303 USB-to-Serial could be completely installed.
Your system has not been modified. To install this program at a later time, please run the setup again.
Click Finish to exit the Setup wizard.
< Back
Finish
Cancel

8) In order to finish all of process, Please click [OK (Y)] button.



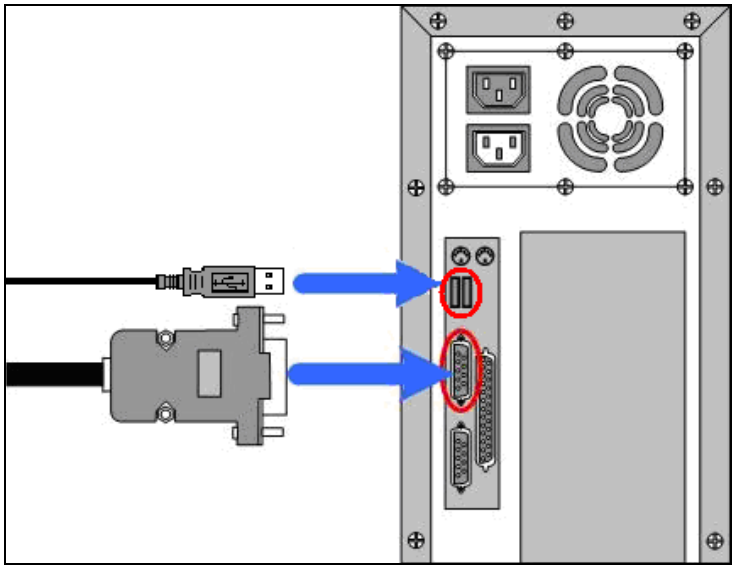
9) Shortcut of “Gluco Diary” will be created on computer wallpaper and [Start]-[Program].

If you click the icon, Gluco Diary system will be started.



5. Use method

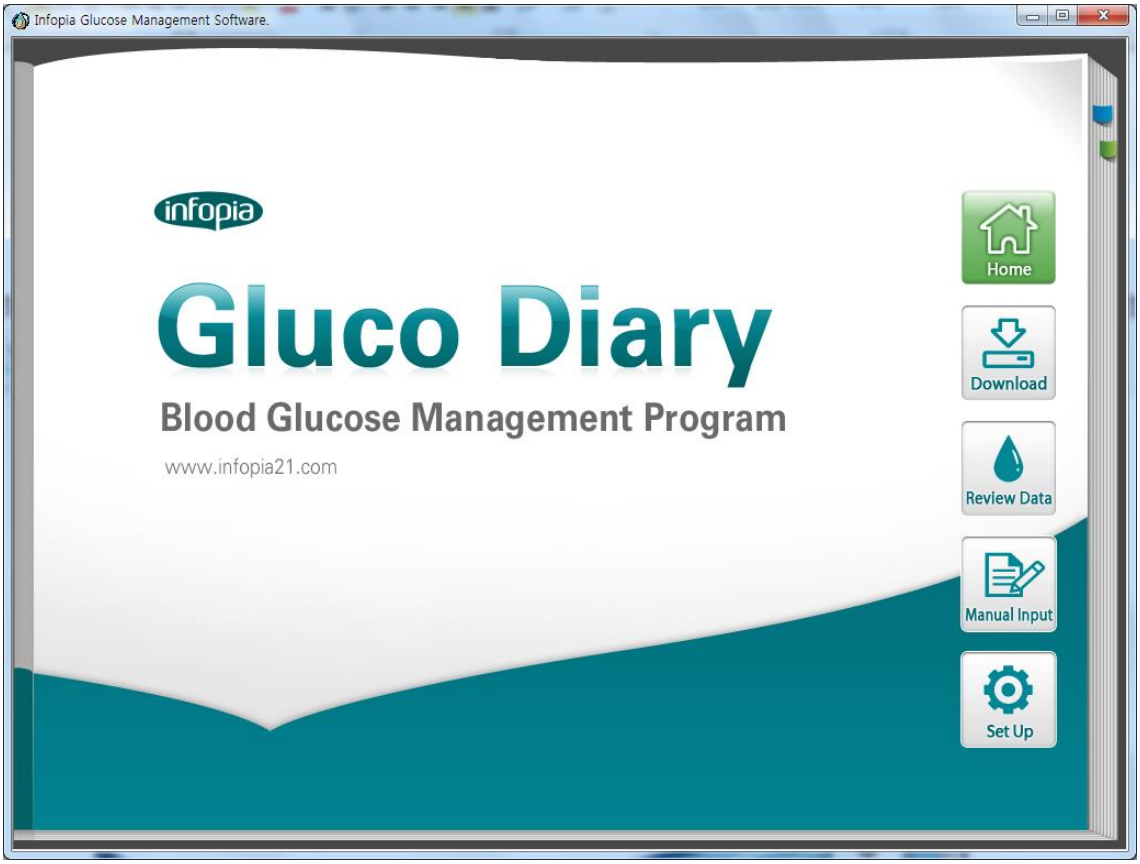
1) First, Please connect PC cable (Serial Cable or USB cable) with Glucose Meter, then Please connect to cable into computer as picture below.



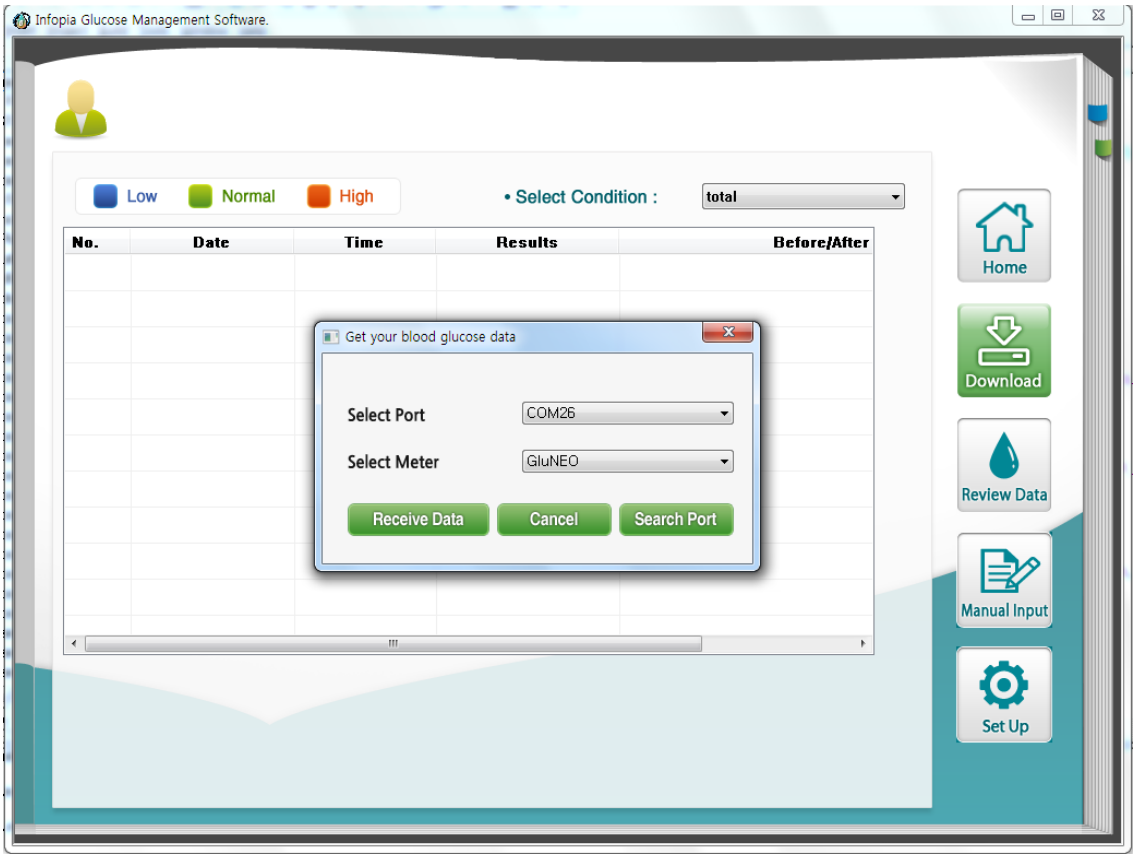
2) Second, please connect the stereo cable (jack) into Glucose Meter, then the massage 'PC' will be shown on Meter's LCD as below picture.

Caution) You can receive proper data when 'PC" will be shown on meter's LCD.

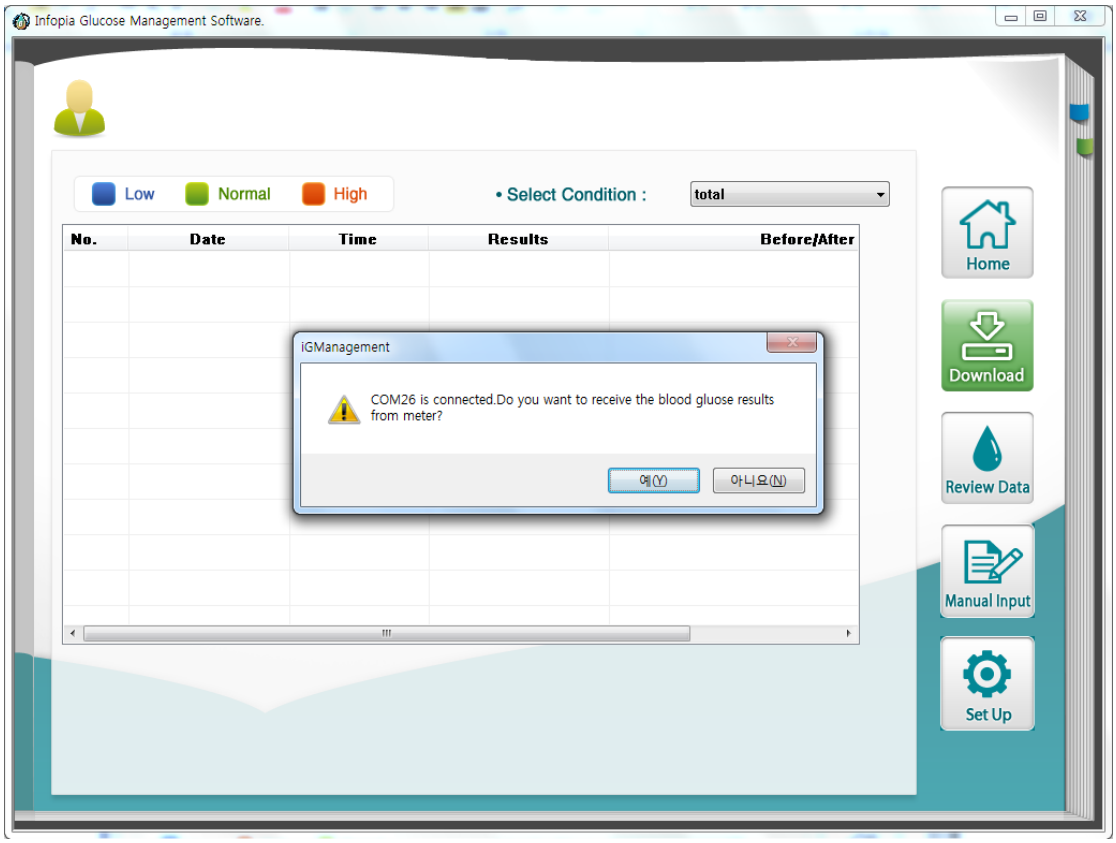
3) Please implement Gluco Diary program.



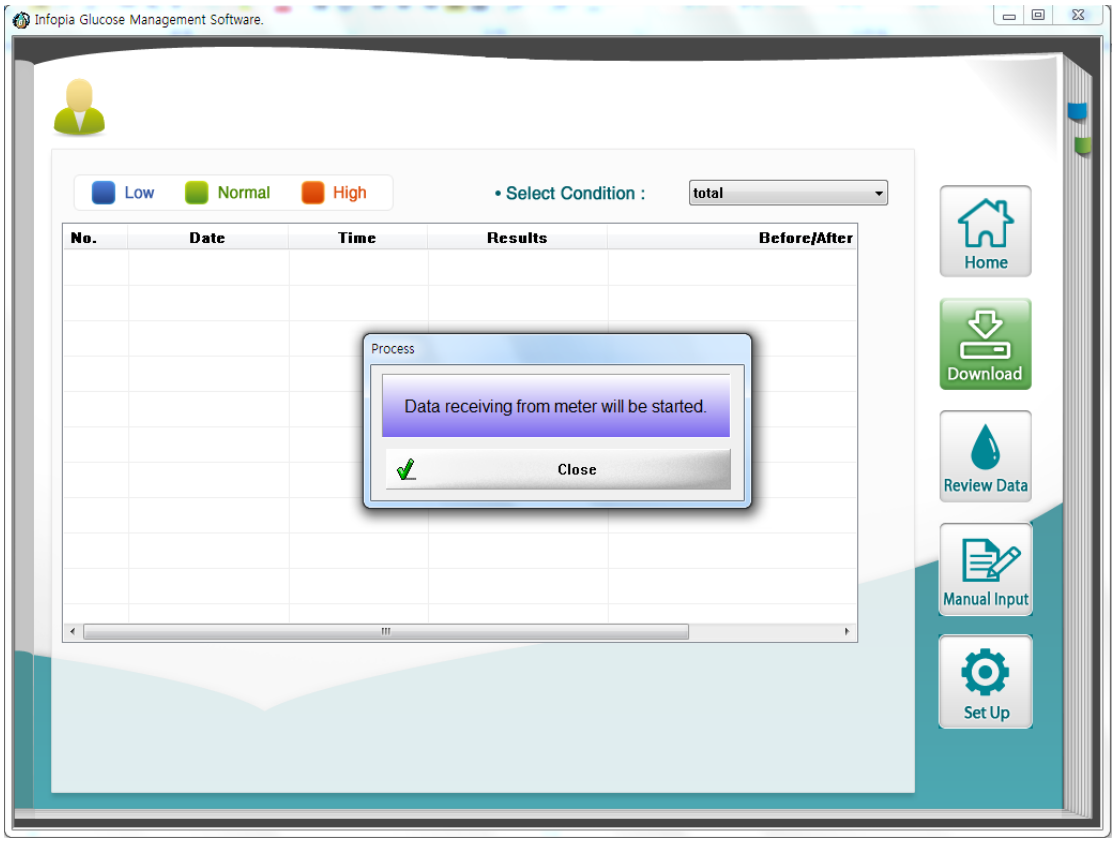
4) Please click [Download].



5) Please click ‘Acquisition of BGM data’ after choosing ‘Port selection’ and ‘BGM selection’.



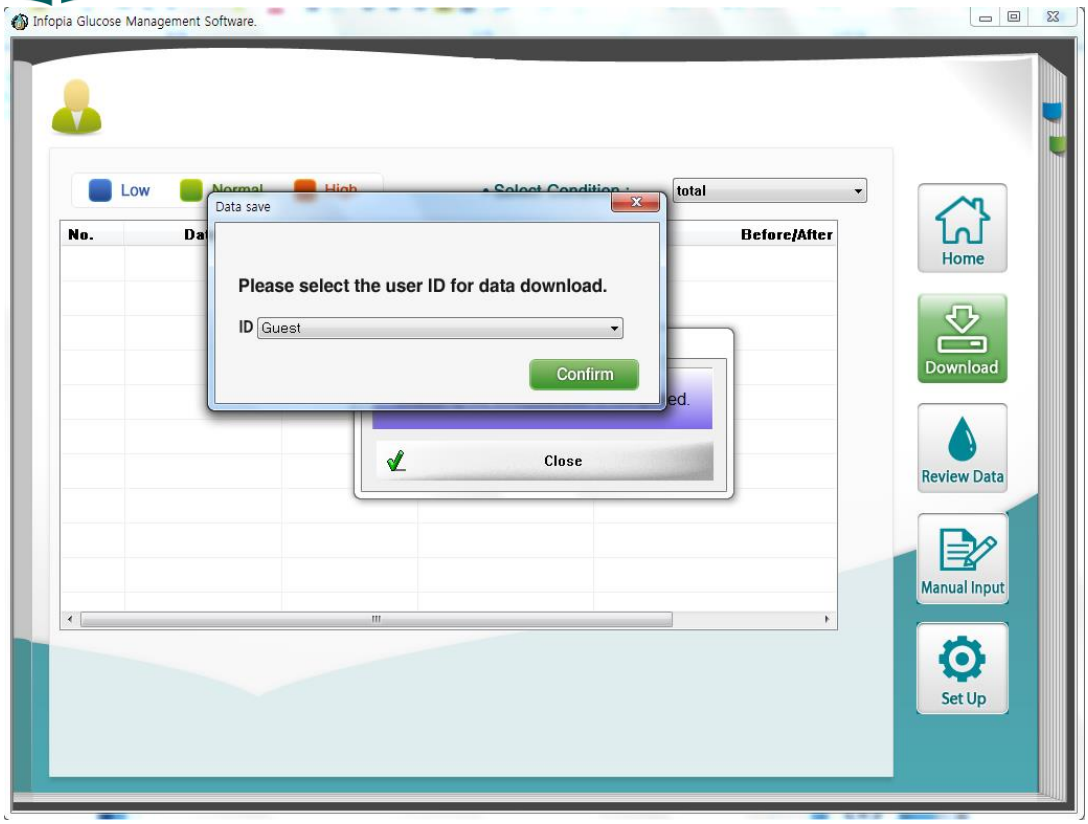
You can automatically download blood glucose data from Glucose Diary program.



After finished the process of download, message for saving date will be popped up.

Please select the user ID then click Yes button.

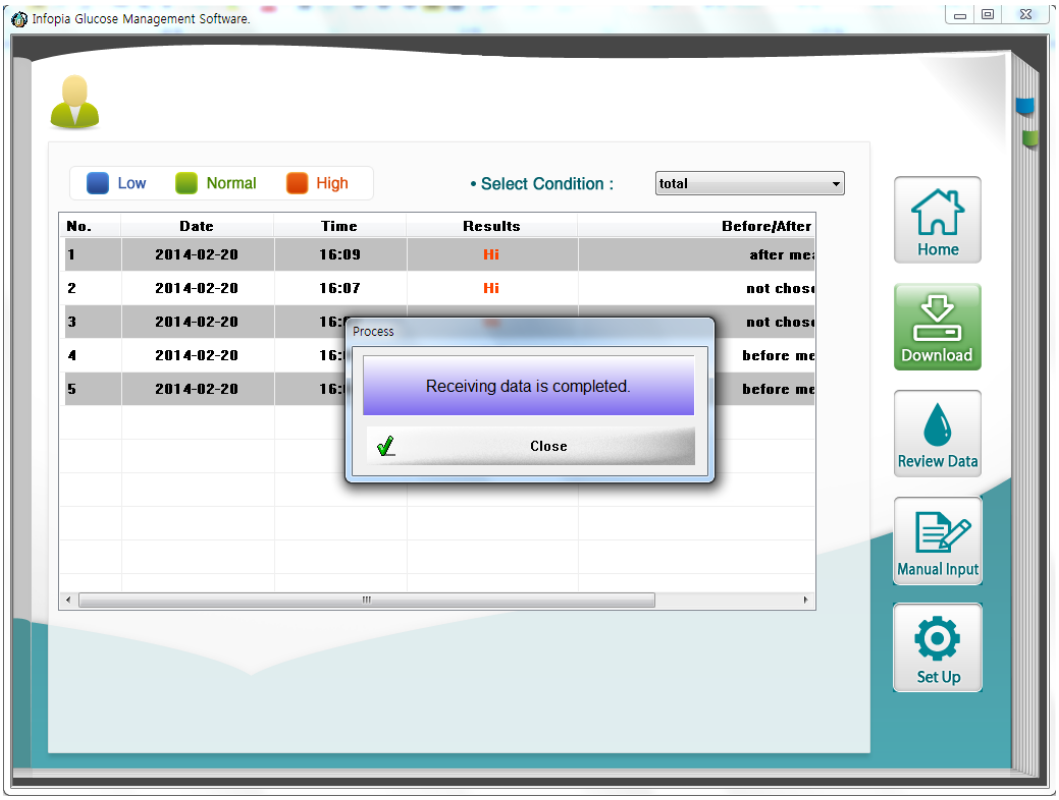
The downloaded blood glucose data will be stored at user ID chosen.

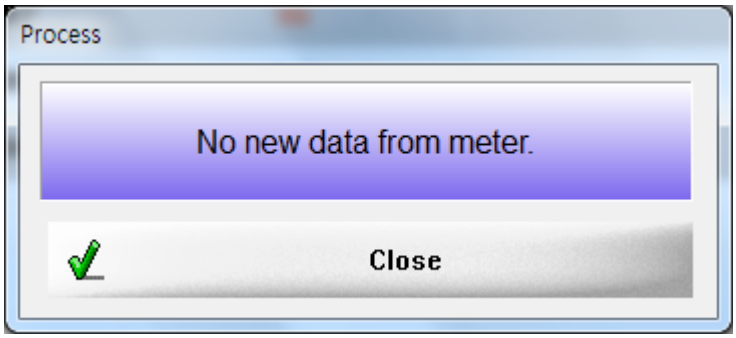


Caution) If properly connected with computer, automatically distinguishing the meter what you select when you select the port.

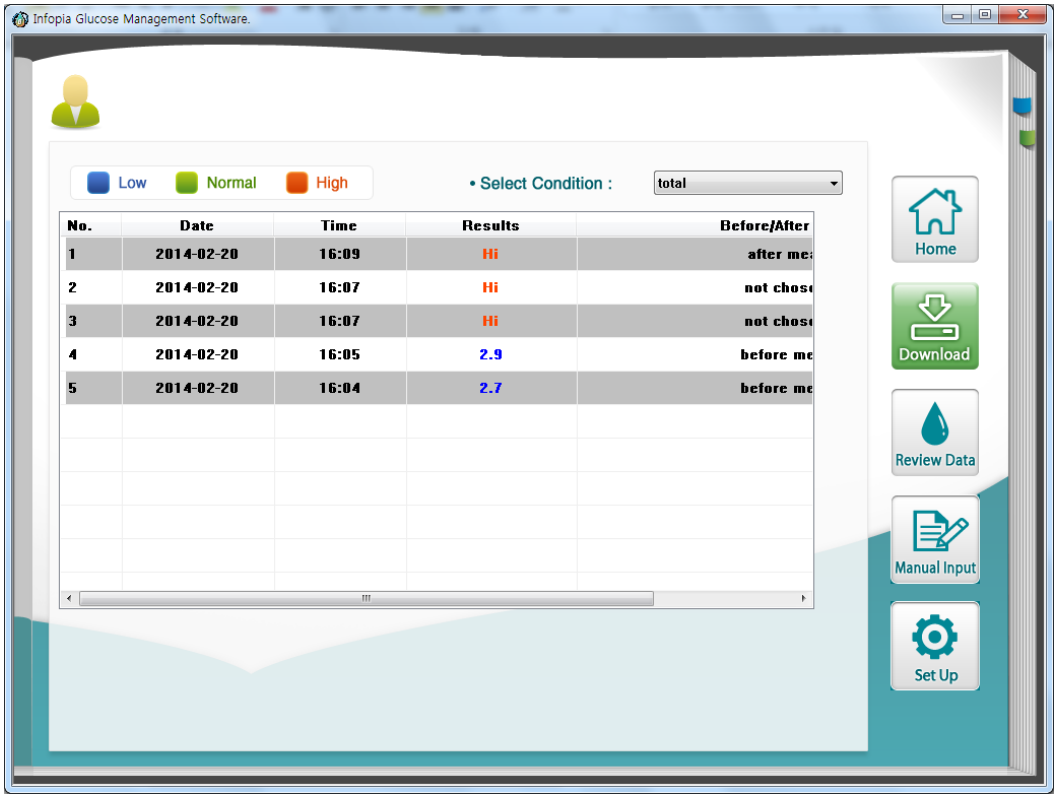
If you connect several meter into computer, distinguishing the order of priority.

After finished storing data, below message will be shown.


Infopia Glucose Management Software.
Low
Normal
High
• Select Condition :
total
No.
Date
Time
Results
Before/After
1
2014-02-20
16:09
Hi
2
2014-02-20
16:07
Hi
3
2014-02-20
4
2014-02-20
5
2014-02-20
Process
Receiving data is completed.
Close
Home
Download
Review Data
Manual Input
Set Up


Process
No new data from meter.
Close

6) You can check all of downloaded data.



※ If there is communication error occurred during function 5), then, please check the bellows:

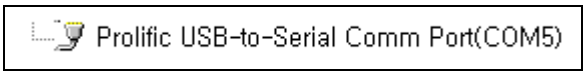
(1) Please check whether the PC cable is connected to PC appropriately.

(2) Please check batteries inside of blood glucose meter.

(3) In case of using the USB cable, please check USB-to-Serial driver program installed appropriately.

After connecting USB cable to PC, the user can check the driver status in the Window program as below.

[Start] menu - [Set-up] menu - [Control panel] menu -[System] Icon - [Hardware] tap - [Device Manager] Button - [Port] tree menu



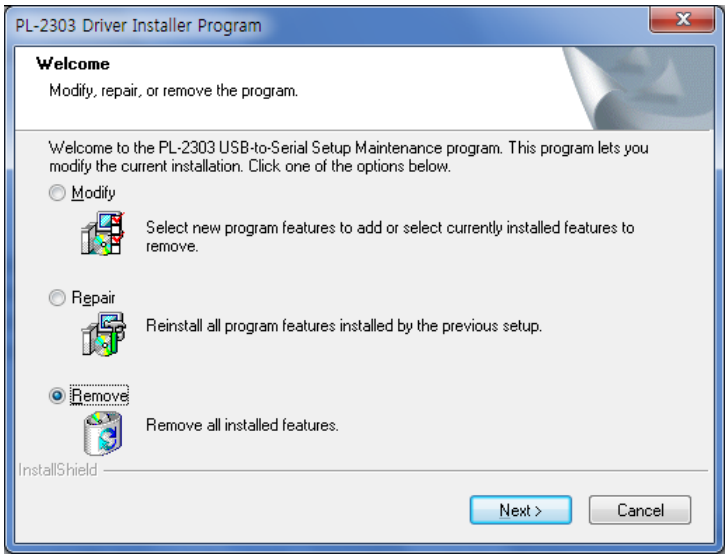
※ The uninstallation method of the USB-to-Serial is as below.

Caution) Cable has to be connected with PC during [remove] process.

1) Please use window explorer and find the directory of “C:₩Program Files₩Gluco Diary₩PL2303”

2) Please operate “PL2303_Prolific_DriverInstaller_v1417.exe” file.

3) When below message is displayed, please select the ‘Remove’ and then, click on the ‘next’.


PL-2303 Driver Installer Program
Welcome
Modify, repair, or remove the program.
Welcome to the PL-2303 USB-to-Serial Setup Maintenance program. This program lets you modify the current installation. Click one of the options below.
Modify
Select new program features to add or select currently installed features to remove.
Repair
Reinstall all program features installed by the previous setup.
Remove
Remove all installed features.
InstallShield
Next >
Cancel

Modify – The Driver will be installed again.

Repair – The Driver will be revised.

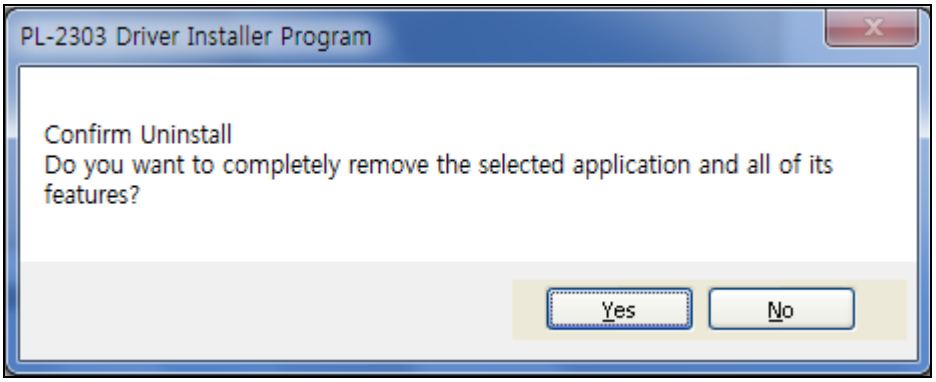
(But, if the existing version driver is different with new version, there may be some problems.)

Remove – The Driver will be removed.

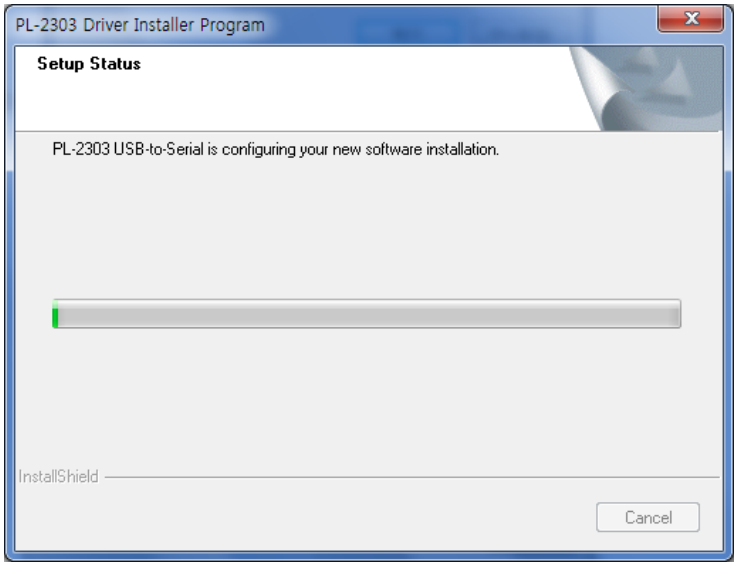
(But, The cable has to be connected with PC. Otherwise, there may be some problems.)

4) There will be a message which asks to delete the driver in the user PC as below.

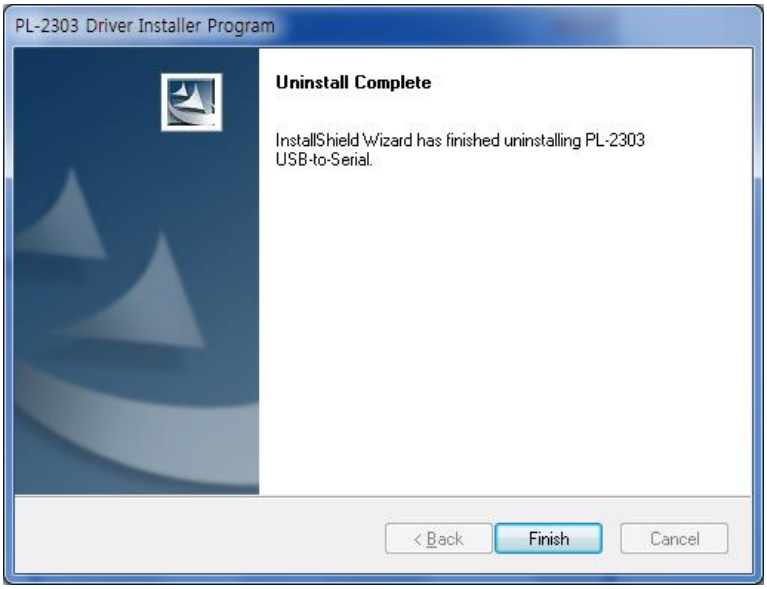
At this point, please click on [Yes (Y)].


PL-2303 Driver Installer Program
Confirm Uninstall
Do you want to completely remove the selected application and all of its features?
Yes
No

5) The S/W program will delete the driver in the user PC automatically.



6) Once the driver is deleted in the user PC normally, below message will be displayed. And then, please click on [Finish] button.

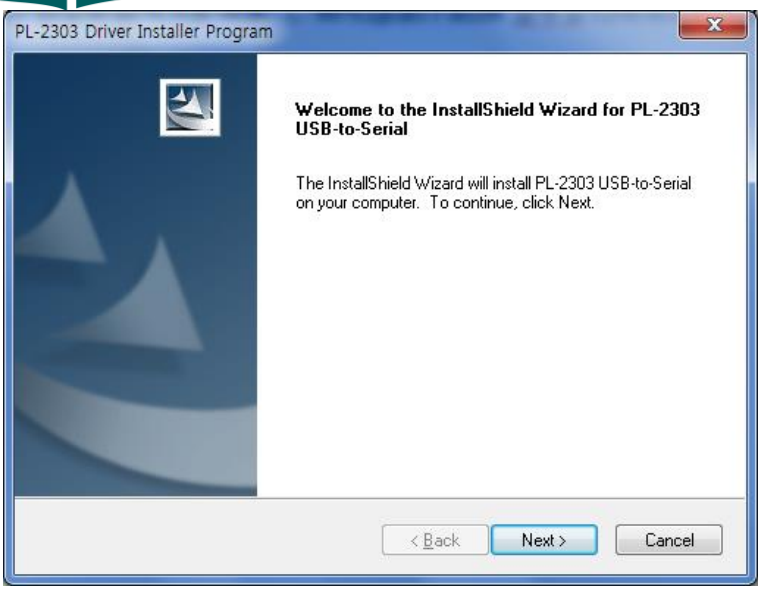


7) Please re-boot PC in use.

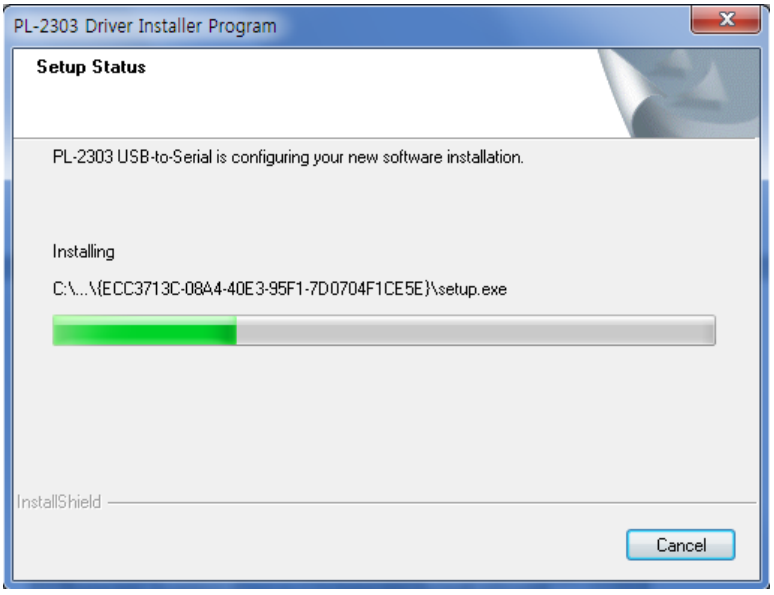
※ USB-to Serial driver installation method

1) Please find the directory of “C:₩Program Files₩Gluco Diary₩PL2303” by using window explorer.

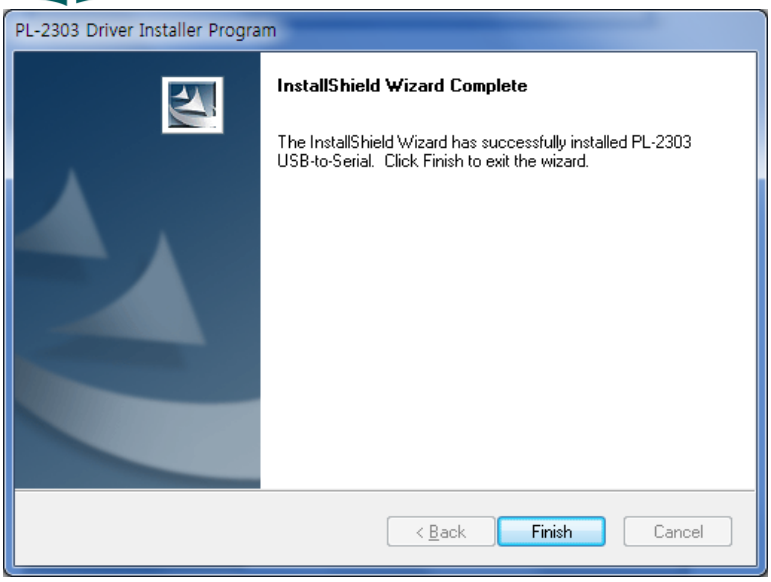
2) Please run “PL2303_Prolific_DriverInstaller_v1417.exe” file.


PL-2303 Driver Installer Program
Welcome to the InstallShield Wizard for PL-2303 USB-to-Serial
The InstallShield Wizard will install PL-2303 USB-to-Serial on your computer. To continue, click Next.
< Back
Next >
Cancel

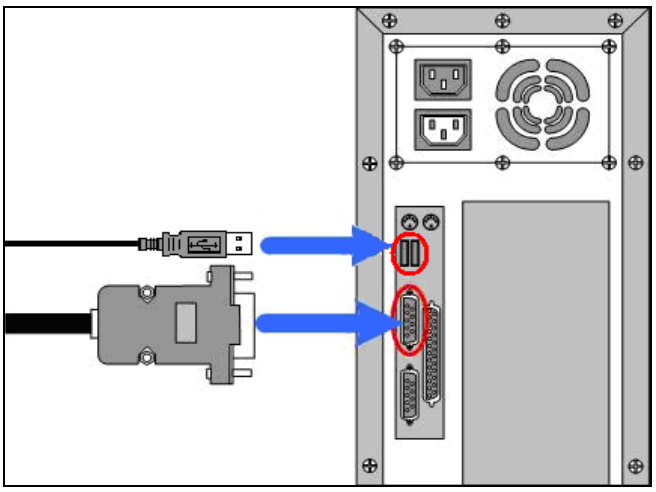
3) The S/W program will install the driver automatically.



4) Once installation is finished, please click on the [Finish] button.


PL-2303 Driver Installer Program
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed PL-2303 USB-to-Serial. Click Finish to exit the wizard.
< Back
Finish
Cancel

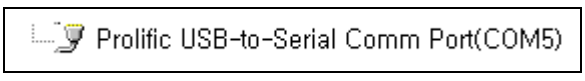
5) After connecting PC communication cable (serial cable or USB cable) into the blood glucose meter, please link the opposite part or cable to the PC or laptop which has the diabetes management S/W program.



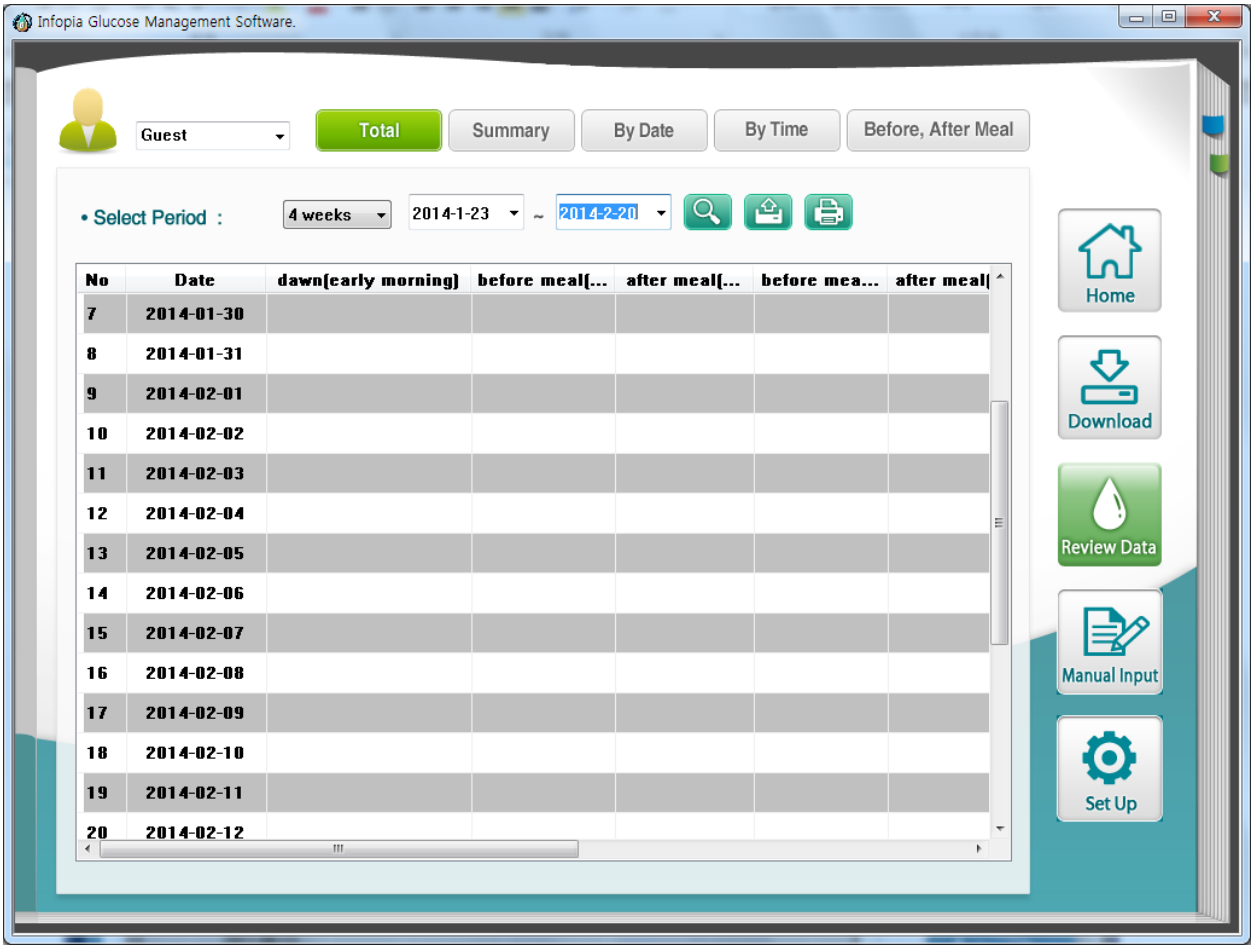
6) Please insert stereo jack of PC communication cable (serial cable or USB cable) into jack socket of blood glucose meter. And then, a message of 'PC' will be displayed on the blood glucose meter LCD. (If you use serial cable for the connection, the message of 'PC' may be displayed during communication status only.)

At this point, please check the driver registered normally as below.

[Start] menu – [Set-up] menu – [Control Panel] menu –[System] Icon – [Hardware] tap – [Device Manager] Button – [Port] tree menu



7. Screen composition



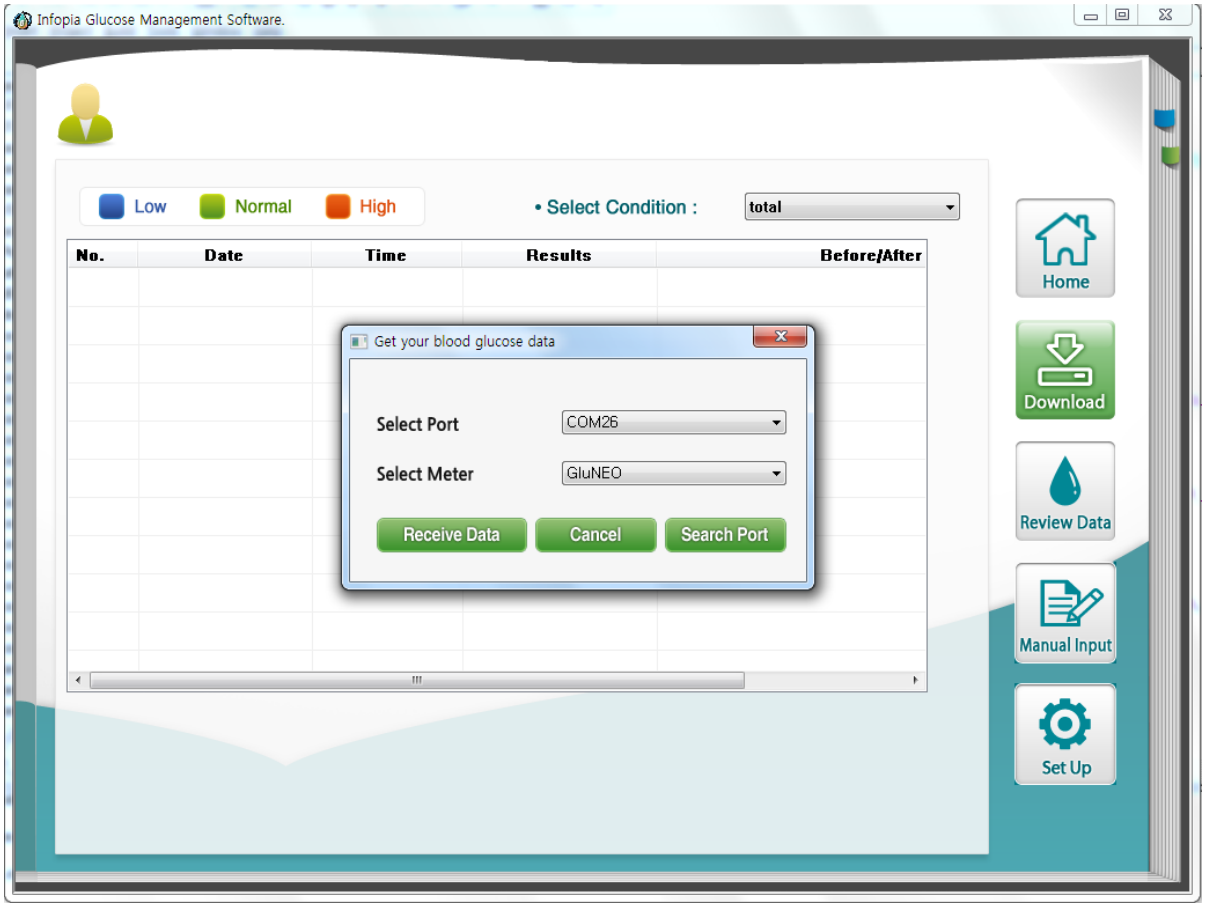
Division	Explanation
Home	It is main screen of the program and initial screen of implement.
Download	You can download the date of BGM.
Review Data	You can check the diverse downloaded data of BGM for current ID.
-Total	You can check all data with certain period for current ID.
-Summary	You can check summing-up data with certain period for current ID.
-By Date	You can check average data(Low/Normal/High glycemia) with certain period for current ID.
-By Time	You can check hourly average data(Low/Normal/High glycemia) with certain period for current ID.
-Before/After Meal	You can check average data (Fasting/Before meal/After meal/Before sleep) with certain period for current ID.

Manual input	You can input the data which are measured by other BGMs to current ID.
Set-up	You can manage setting of New ID registration / ID by users.
Print	You can print out the data with certain period of current ID.
Manager	You can Export out the data with certain period of current ID.

8. Operation by screen

8.1 Download

▶ Please use it when you need blood glucose data from BGM.

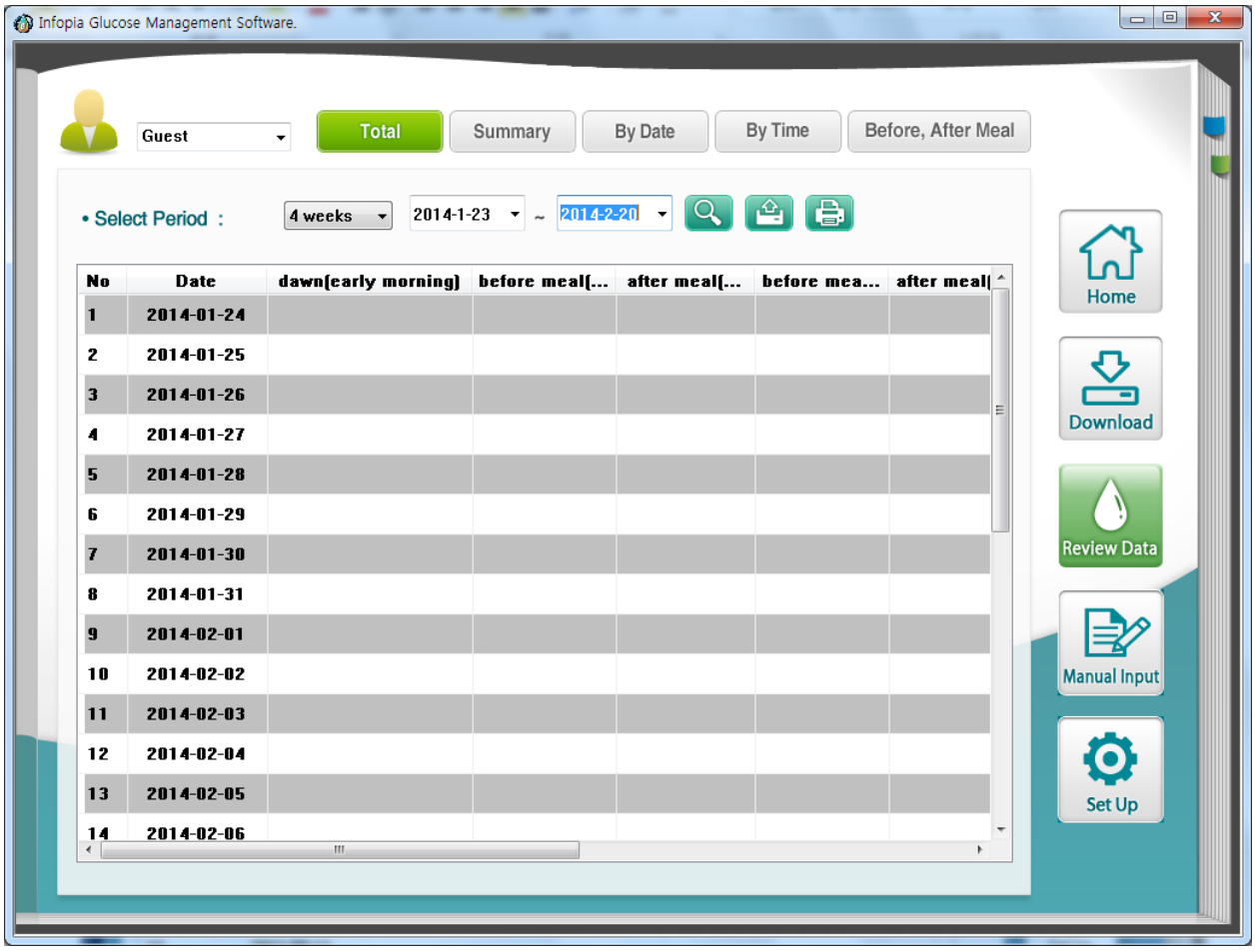


Division	Explanation

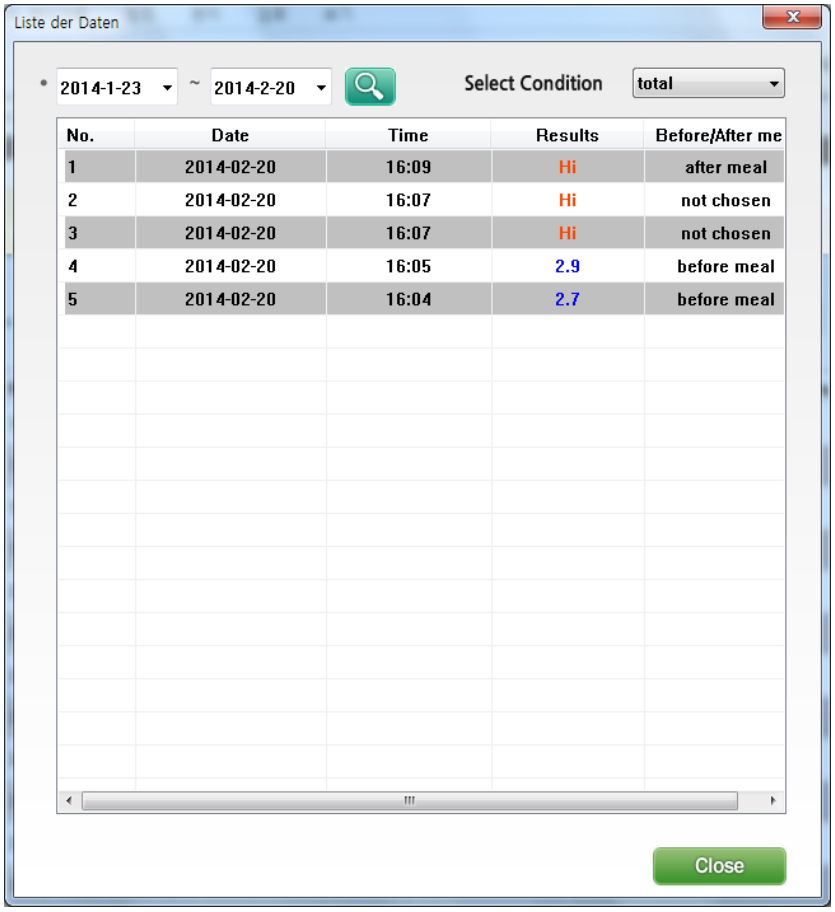
Select Port	Please choose the communication port of BGM connection.
Select meter	Please choose BGM going to be downloaded for the data.
Receive Data	You can receive BGM data from the BGM port selected by user.
Search of Port	It will automatically search BGM port connected to user's computer.
Select Condition	You can see the data downloaded from BGM according to the conditions you want to check.(All, No choice, Before/After meal, After exercise, After taking drug, Control solution)
Cancel	You can cancel downloading BGM data.

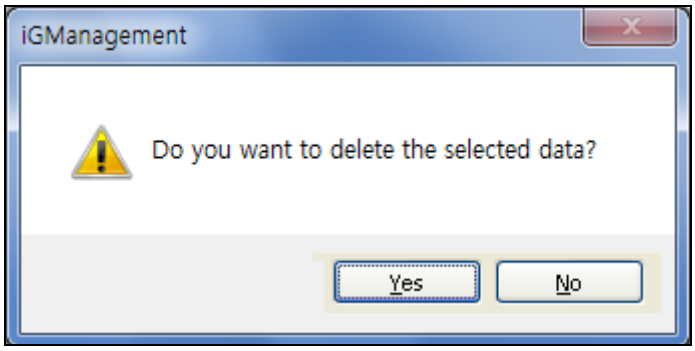
8.2 Review Data – Total

▶ Please use it when you need all of blood glucose data from BGM for current ID.



Division	Explanation
	It displays current user's ID. (ID can be changeable)
Select Period	You can set up the period of blood glucose data. (Please be informed that the period is set up based on present date.)
Search	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Print	Please use it to print out data.
Manager	You can Export out the data with certain period of current ID.
"Date" Double Click	You can check the separated data of selected period.



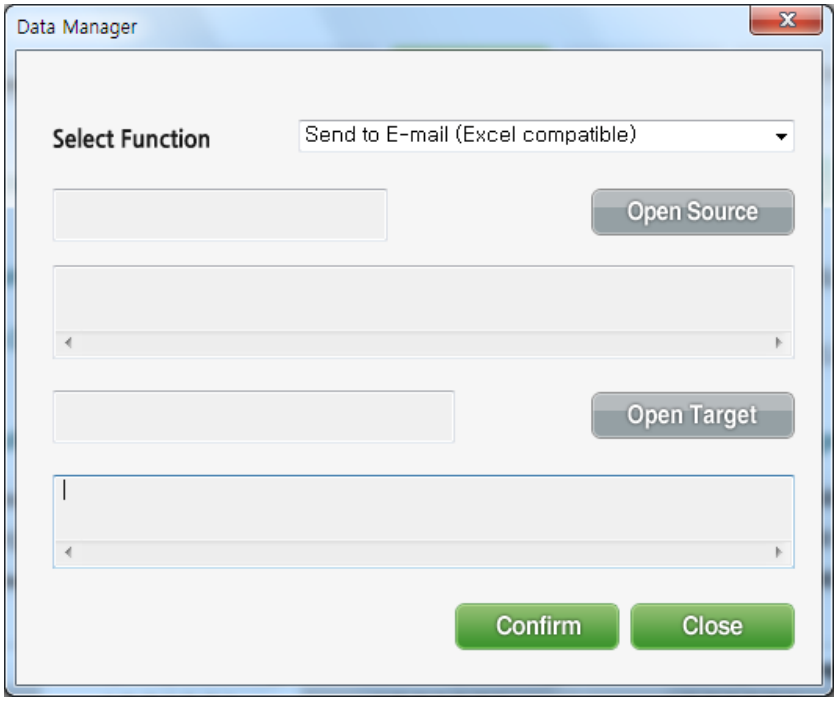


Division	Explanation
Search	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Select Condition	You can see the data downloaded from BGM according to the conditions you want to check.(All, No choice, Before/After meal, After exercise, After taking drug, Control solution)
Double click of Data	You can remove the selected data.
Close	You can close the data list of window.

8.3 Review Data – Summary

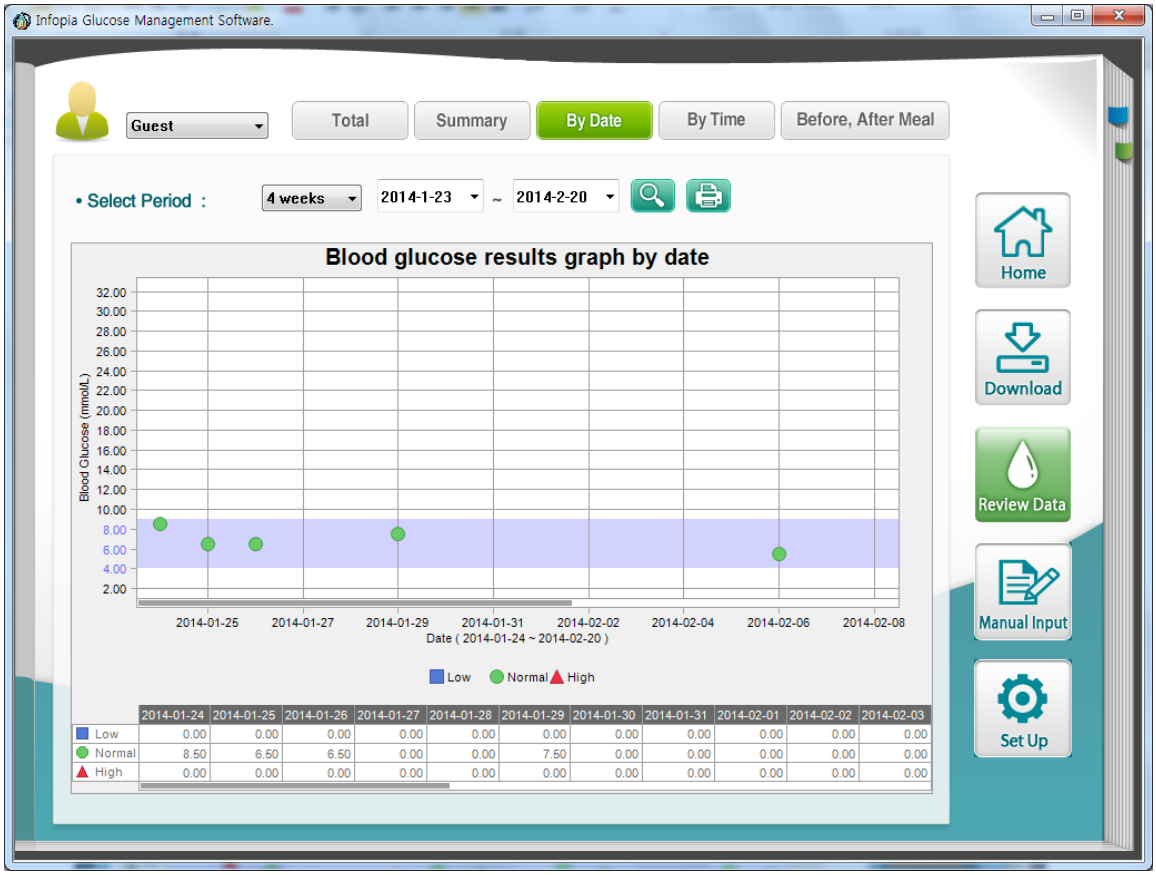
▶ Please use it when you need summing-up blood glucose data from BGM with current ID.

Division	Explanation
	It displays current user's ID. (ID can be changeable)
Select Period	You can set up the period of blood glucose data. (Please be informed that the period is set up based on present date.)
Search	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Print	Please use it to print out data.
Manager	You can Export out the data with certain period of current ID.



8.4 Review Data – Graph by Date

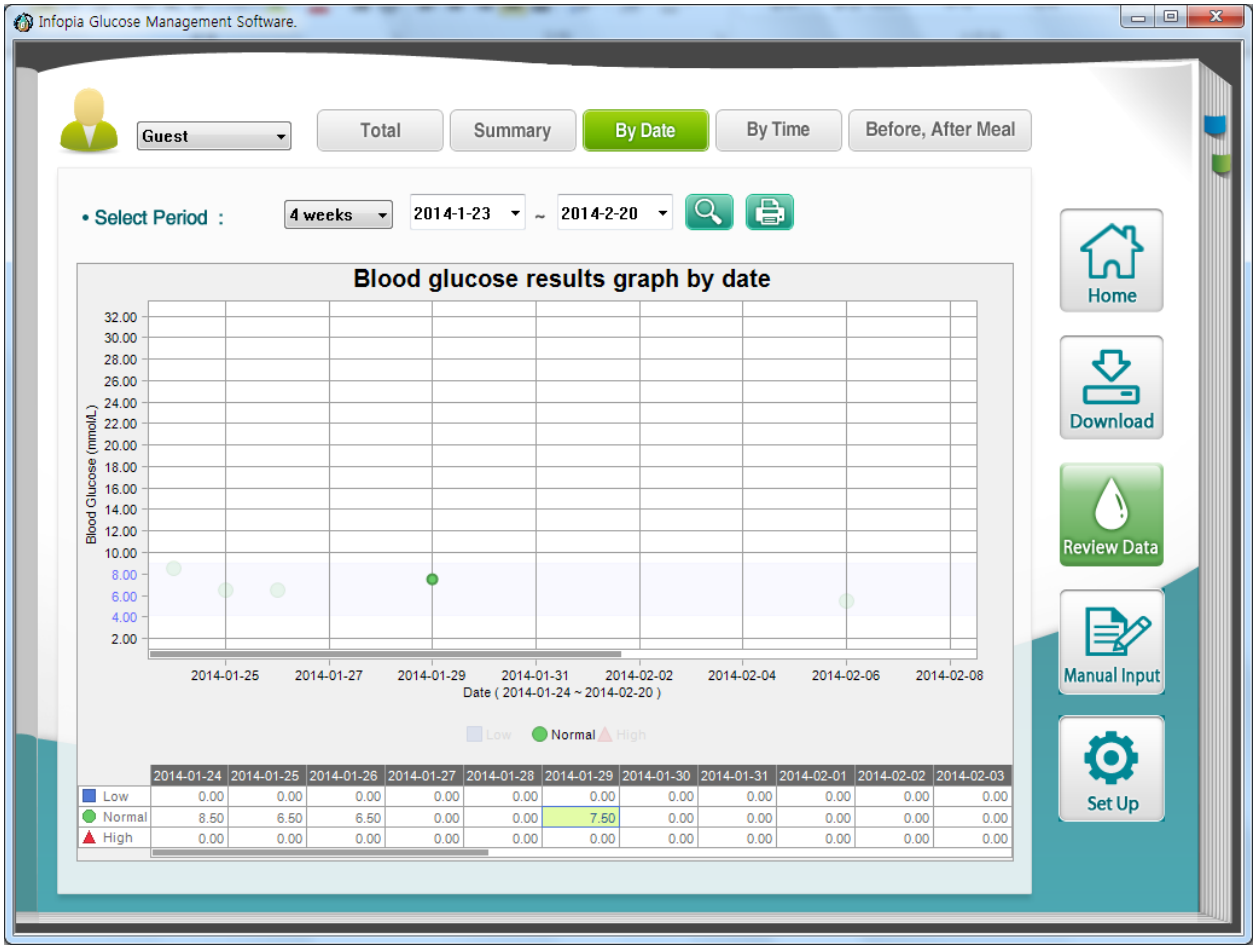
▶ Please use it when you need blood glucose data from BGM by date with current ID.



-You can check low, normal, high blood glucose graphs at a time.

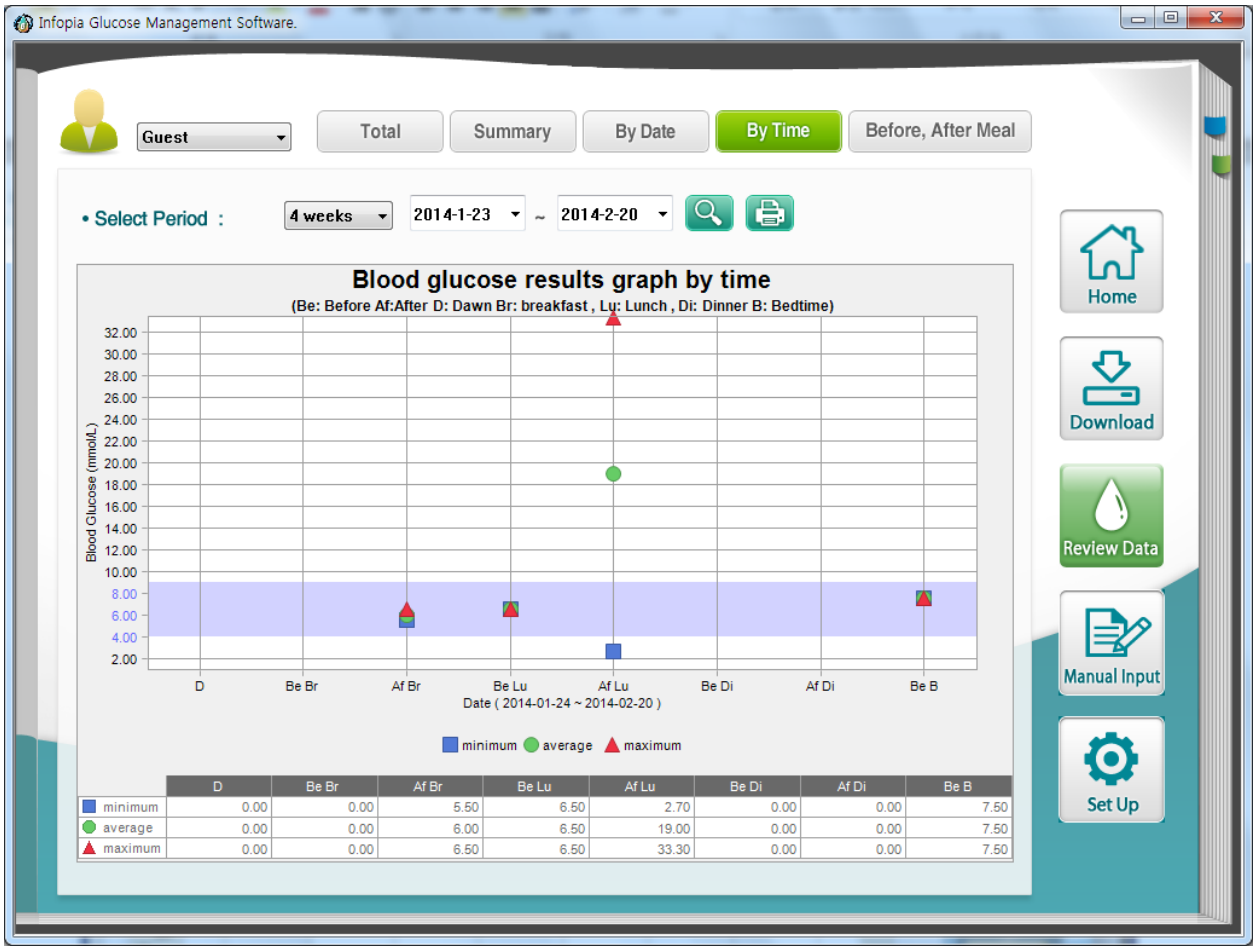
-You can check individual data graph or selected data graph by your choice.

Division	Explanation
	It displays current user's ID. (ID can be changeable)
Choice of Inquiry period	You can set up the period of blood glucose data. (Please be informed that the period is set up based on present date.)
Inquiry	You can check the data with designated period by user. (Please be informed that the designation of period is available by 365 days as maximum.)
Print	Please use it to print out data.



8.5 Review Data – Graph by Time

▶ Please use it when you need blood glucose data from BGM by time with current ID.



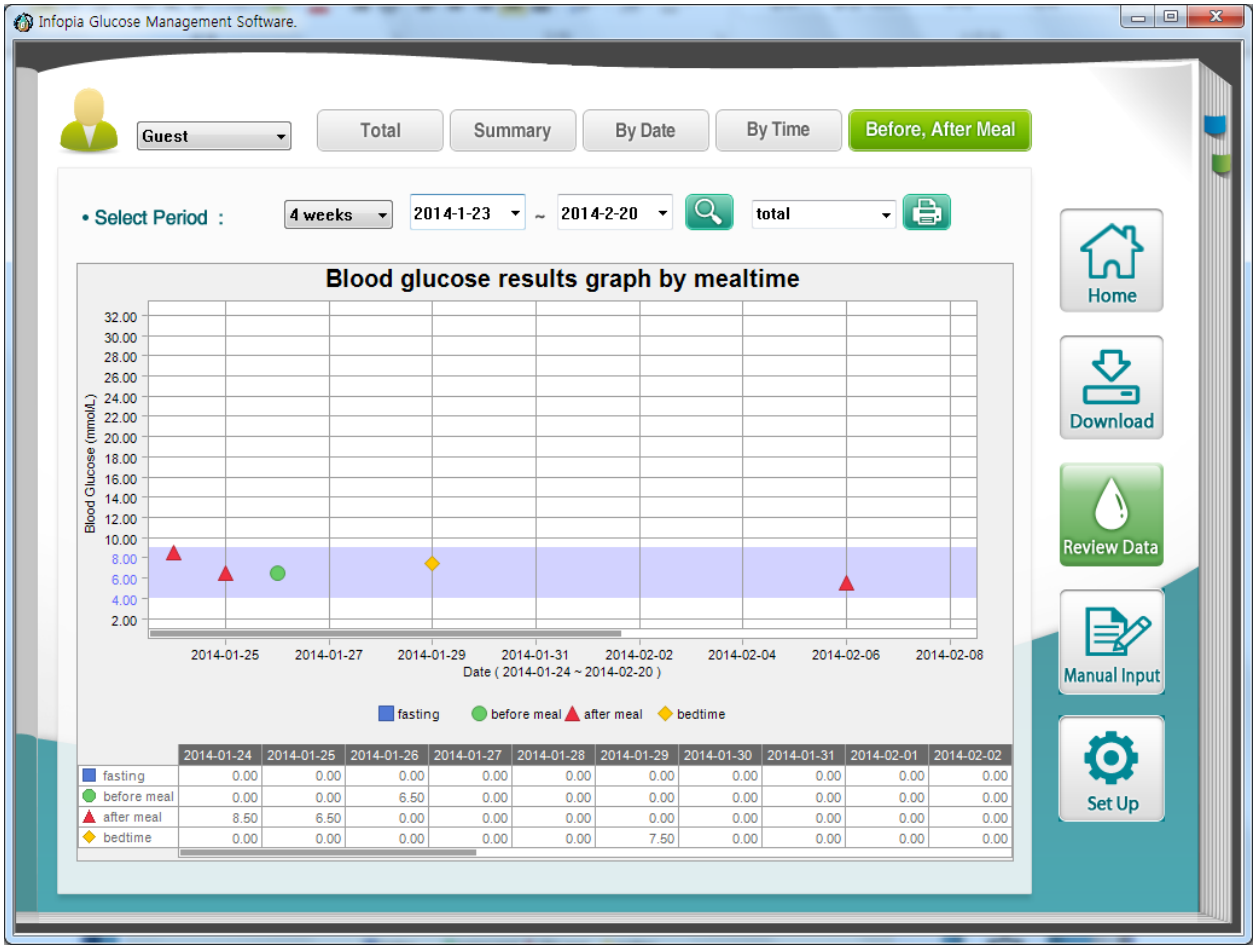
	D	Be Br	Af Br	Be Lu	Af Lu	Be Di	Af Di	Be B
minimum	0.00	0.00	5.50	6.50	2.70	0.00	0.00	7.50
average	0.00	0.00	6.00	6.50	19.00	0.00	0.00	7.50
maximum	0.00	0.00	6.50	6.50	33.30	0.00	0.00	7.50

- You can check low, normal, high blood glucose graphs at a time.

- You can check individual data graph or selected data graph by your choice.

8.6 Review Data – Graph by Before/after meal

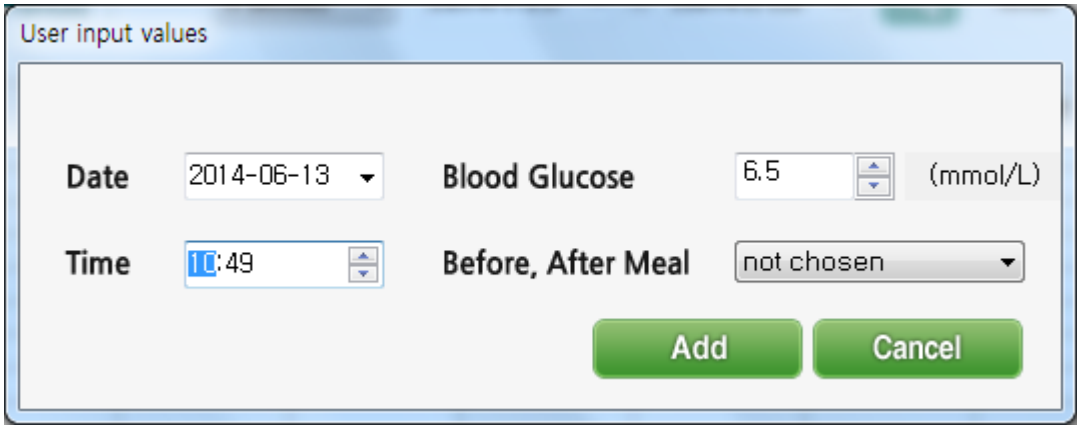
▶ Please use it when you need blood glucose data from BGM by before/after meal with current ID.



- You can check empty stomach, before meal, after meal and before sleep blood glucose graphs at a time.
- You can check individual data graph or selected data graph by your choice.

8.7 Manual input

▶ Please use it when you need to input blood glucose data from another BGM to our program with current ID.

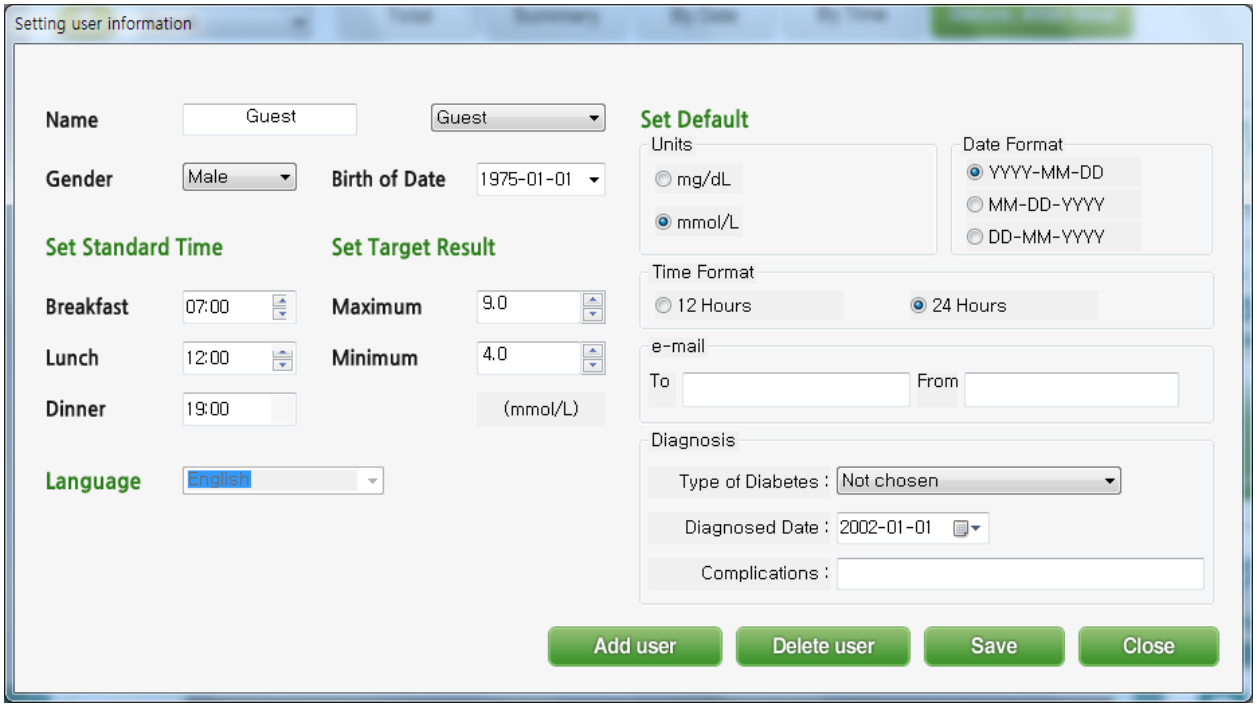


Division	Explanation
Date	You can enter the measuring date.
Blood glucose level	You can enter the measured blood glucose value.
Time	You can enter measuring time.
Before/after meal	You can enter set-up condition when measuring.
Addition	You can add new data.
Cancelation	You can cancel direct input.

8.8 Set-up

▶ You can set-up user information.

(You can add new user or remove existing user data.)



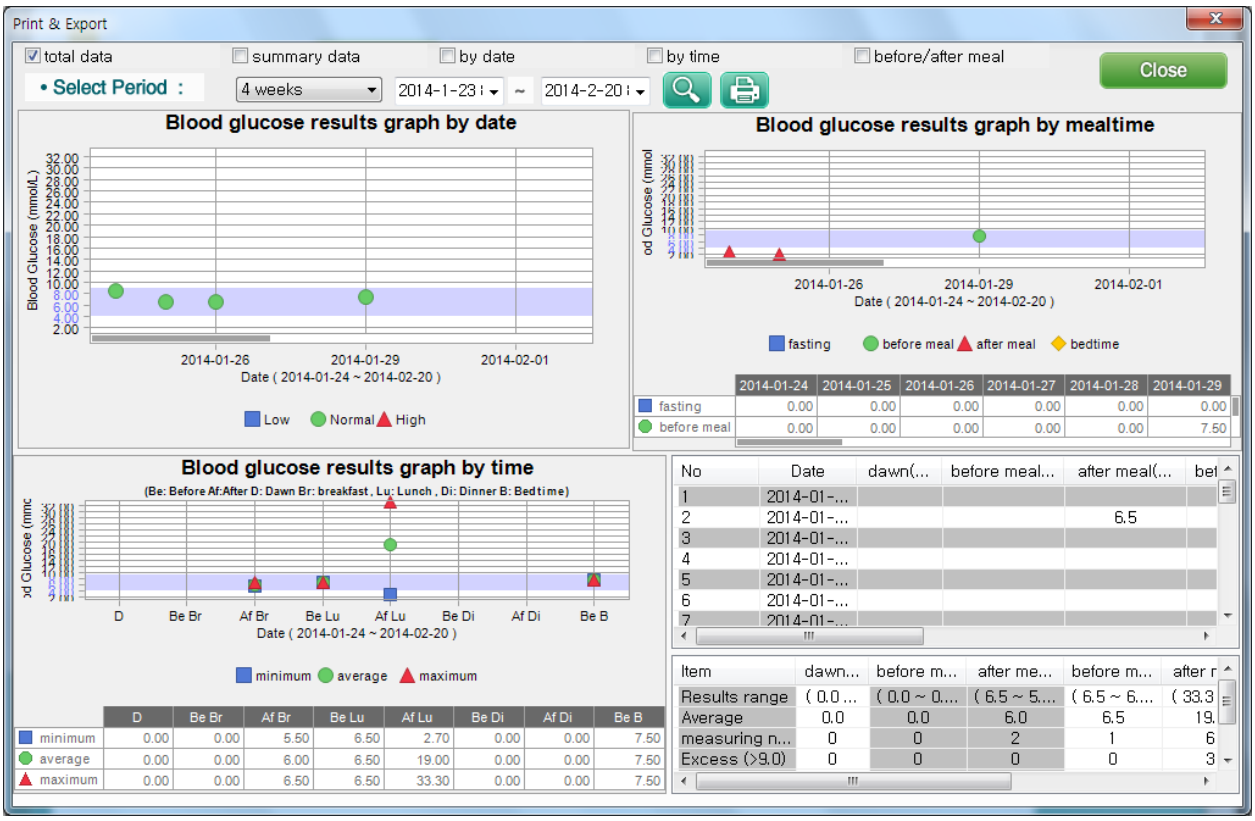
Division	Explanation
Name	You can enter user name. (ID is not changeable.)
Sex	You can enter user sex.
Birth date	You can enter user birth date.
Registering standard time	You can set-up user meal time.
Target blood glucose value	You can enter user target blood glucose value.
Registering user	You can add new ID.
Removing user	You can remove existing ID.
Saving information	You can save the revised information.

Exit	You can close the set-up screen of window.

Division	Explanation
ID	You can enter new ID. (Please be informed that you can't revise the entered ID)
Sex	You can enter new user sex.
User name	You can enter new user name.
Birth date	You can enter new user birth date.
Registering ID	You can add the entered information as new user.
Cancelation	You can cancel new user registration.

8.9 Print

▶ You can print out the data with designated period.



8.10 Program information

▶ Program information will appear when clicking Infopia mark.

There are program releasing information, manual and homepage information.